

Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 116907		APPLICATION NO. 10/645,776	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)							
APPLICANTS Joji KARASAWA et al.				FILING DATE August 22, 2003			
GROUP Unknown							

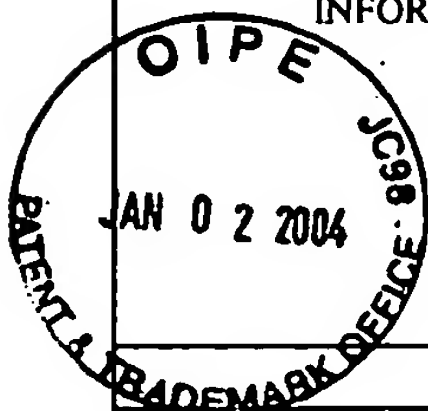
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
MSK		5,513,036	4/1996	Watanabe et al.	359	457
MSK		4,076,384	2/1978	Deml et al.	350	122
MSK		5,615,045	3/1997	Takuma et al.	359	456
MSK		US 2002/0080483 A1	6/2002	Yamaguchi et al.	359	456
MSK		5,074,644	12/1991	Hirai et al.	359	455

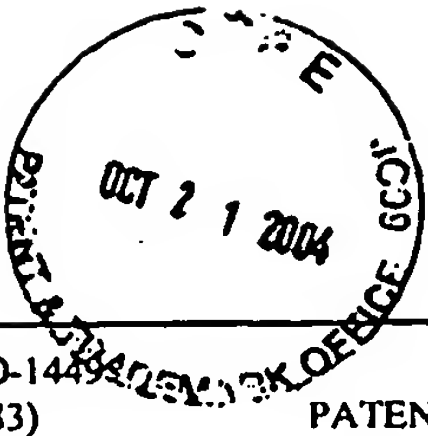
FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
MSK		EP 1 154 317 A2	11/2001	EPO	603B	21/50
MSK		WO 00/60412	10/2000	WIPO	603B	21/62

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)		

EXAMINER	DATE CONSIDERED 12/20/04
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Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.





Sheet 1 of 1

Form PTO-1449a
(REV. 8-83)US Dept. of Commerce
PATENT & TRADEMARK OFFICEATTY DOCKET NO.
116907APPLICATION NO.
10/645,776

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANTS
Joji KARASAWA et al.FILING DATE
August 22, 2003GROUP
2851

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
MJK	JP A 2002-107829 w/Abstract and Translation	4/10/2002	Japan	603B	21/02

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER

DATE CONSIDERED

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Date: October 21, 2004

Sheet 1 of 1Form PTO-1449
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APPLICANTS
Joji KARASAWA et al.FILING DATE
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Unknown

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
MJK		2000-131506 w/Abstract and Translation	5/12/2000	Japan	602B	3/00

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER

DATE CONSIDERED

Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Date: November 5, 2003